



RECEIVED

NOV 12 2002

-1-

SEQUENCE LISTING

TECH CENTER 1600/2900

<110> University of Ottawa

<120> Mutations of the 5' region of the human 5-HT1A gene,
associated proteins of the 5' region and a diagnostic
test for major depression and related mental illnesses

<130> 881014US1

<140> 09/430,412

<141> 1999-10-29

<150> 60/106,375

<151> 1998-10-30

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 3045

<212> DNA

<213> human

<400> 1

atcatcaata atatccgtta taaaagcttgc ttttcttttag gtttaacttta gaggccttga 60
agaataagag ctcatctctt tacaggagct ttgggttgca gcatttacatt aagaaatatt 120
tggtattctg tatcttaag agttaaacat agaagaattg gctaagtgaa aatgaatgaa 180
acgcaatatac attctgcata tattcatttat tatatatcac agtattattttt gttttaaaag 240
ttaaacataaa atatcttata tgycattgsa cgaytaggys aacctartcr gtgctgcgaa 300
tactttcgat acttctgttt ccctccttagt attcataagt gtgcctttga aaacgtttta 360
aattgtaaga aataaaaatgt ttgatataattt atgtatattttt ttactaagaa aaaacttgaa 420
ttactttgga ttttgaaaaaa ctttgataaa ttctacatca tagcatattt aagcaagaat 480
aacaatgtct atacctcagg aatattaattt ccagatttttta cagcatttttta actttcttga 540
tgagaaaaaaa taaatttgc agttattttttt ctatttggat ccaacagatg aaagcagaat 600
tctaactaac atatattttt atttattttgt gatttacata ttacatgtg ttgtttgaca 660
caattcttaa ttatgttctt gatatgcata tatttgcatttca ttaattttta agtttccctt 720
attttactttt gtttatagttc tcaactataa tttcaaaatgtt taatttttaga taatttcagcc 780
ttttaaatat ttcccattta taatttttgt gacctctaacc tctatttttaa ctgttaaatat 840
agttctgtat ttgtgaagag actttttagaag tggaaataga taccttcaca aatcttaaaa 900
gacttcttca gagtctgtaa acagcattac catgtatact tatctcttcc tttgcatgcc 960
atgatcatca caatgcattgg ctcatgtggt ggcattgtga atgattgagt gggactgtgc 1020
cagctgaact ataaaaaaaaaa aaaacaaaca aaaccttatac caaacacact gtcctgtatt 1080
gtaatgcatt gggccaaactg gattctttt gatgctttgg tgattgtctt tttgtttggg 1140
cttggagaat tcagagctat gaaattcaga gctcagattt gaacacaata ttaagattat 1200
tgcaatctgt agtgaatctg ttcatgttat ccagtgtaa ctgcttttga gattgcattc 1260
ctttcacctc aggcatgcaa tcaggatgtta taagtggaaat gttgtgttgtt atgtttactg 1320
tagttgctta gaagtccatt ctttaccaat gctcaaatgtt gattaaattt gttttcttgc 1380
taaaggaaac agcttagaac aaacccttgc aagtatctt atttcagtttga tttaacattt 1440
ccaaatgtta aatcatttgg aaaatgcaat actattcgat tctccaacaa aaggtaaattt 1500
tatgtcagtt ccaaagttca gtttatgaca gcacaaaacc aacacaggtg aaagtgttag 1560
cctagcttta tttaaatggc attccctgtt agaacttgc aatgacagat acttcaggct 1620
ttcgaaggaa gctaaaacat ataataggcc tgatataaa gtttcagagc aaaagaggc 1680

actaaaataa atttttaaag aaaataggaa ggagacaaaa ctcataacta ctttgtctt 1740
taataactgt ctccctctt ctaaaagtg ttgtatttcc tcaataacttg cttcatttct 1800
ggcataaggg ttccagatg gcaactctaaa acatggcca gaaggtggcg aacataaaac 1860
ctcattgctt agaactgtcc caggtgctga acccagttc tgagattaag agaggctagc 1920
cggttagcga accgggattc caccaagttt cccccagagg tttgcaggt ctggtaagaa 1980
gtgcaaaagg ccatgtgaaa tgcaggcgtt cacttagaac acatatgcaa aatatttcca 2040
tccctgaatt tactagccac aaagctatgg gaagtggcag tgtcaactgaa attacaagtg 2100
tagtagtgat gggaaagtgt gtgtgttta agaatatata tcacactgag ttttgttctt 2160
catttcgaga tgcagggtt tacctctcct tgccttgc cacgtcctt ataatttcgt 2220
tctctcccg tcccccaacg taaaaaaaaa agtcacaggc aatattctcc ctgagggagt 2280
aaggctggac tgtagatga taacggaggt accgtttgt tgggttgc gtcgttgc 2340
gtttgtttt ggagacggag tctcgctctg tcgcccaggc tggagtgc 2400
acggaggtag cttttaaaaa acgaagacac actcggtctt ctccatcaa ttagcaataa 2460
ttgggagact gaccaggac tggcacctt cccattcagg ctccctatgc ttcctttct 2520
catctcctat tgccactctg ggatgctgac acgatthaag aatttggcag ataatatgag 2580
gcaaggagta gttggattc cctcccaa gttttccaa cccagttt gctgggttg 2640
aggcggagtt tatttggcac aaccttggtc tgaccggcag gatctgggt gtgttaagtga 2700
gttctgagtc tctgttgaca aaaagagact cgaatgcaaa gacgctgagc tagagggaga 2760
ggagggcggg gacccagagg aaagaggcac tcctcggggt tggggaaagta ttaggagggg 2820
agggtagag tgggagggaa ggacgcctggc ttgcgaagcg actcacagag ggataaataa 2880
agggaaagtga ggaggaagag ggagactgaa aggaaaggca ggtggggaga agggggacga 2940
aagaggcaga agagagagaa gagaggagga gagaggggaa gagagggaaag gaaggaaataa 3000
gggagaggag ggtcacagag tgaccgtgga ggtatgggct tctcg 3045

<210> 2
<211> 24
<212> DNA
<213> human

<400> 2
aacgaagacn nnnnnnngtct tctt

24

<210> 3
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: sense primer

<400> 3
gtggcgaaca taaaacctca

20

<210> 4
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: antisense
primer

<400> 4	
ttcttaatc gtgtcagcat c	21
<210> 5	
<211> 29	
<212> DNA	
<213> human	
<400> 5	
ttaaaaacga agacacactc ggtcttctt	29
<210> 6	
<211> 29	
<212> DNA	
<213> human	
<400> 6	
ggaagaagac cgagtgtgtc ttcgaaaa	29
<210> 7	
<211> 31	
<212> DNA	
<213> rat	
<400> 7	
cggcataagc aagcccttat tgcacagagc t	31